

Serial No. 10/050,864
Docket No. 358.41077X00

AMENDMENTS TO THE CLAIMS:

1. (Currently amended) A gear change device, comprising a shift lever, a select actuator for operating said shift lever in a direction of selection, and a shift actuator for operating said shift lever in a direction of shift, wherein:

said select actuator comprises a casing, a shift lever support member disposed in said casing so as to slide in an axial direction while supporting said shift lever, an annular permanent magnet mounted on the outer periphery of said shift lever support member and having magnetic poles in both end surfaces thereof in the axial direction, movable yokes arranged respectively on the outer sides of said permanent magnet in the axial direction thereof, a cylindrical fixed yoke surrounding said magnet, a pair of coil members disposed adjacent each other in the axial direction on the inside of said fixed yoke, and select position-limiting means for limiting the operation position of said shift lever support member in accordance with thrust produced on said shift lever support member due to electric power supplied to said pair of coil members, and

said shift lever support member comprises a control shaft rotatably disposed in said casing, and a cylindrical shift sleeve disposed on said control shaft and able to slide in the axial direction, and

said select position-limiting means limits the operation position of said shift lever support member so as to position said shift lever to one of four select positions in accordance with thrust produced on said shift lever support member due to electric power supplied to said pair of coil members.

Serial No. 10/050,864
Docket No. 358.41077X00

2-8. (Canceled)

9. (Previously presented) A gear change device according to claim 1, wherein said shift lever support member and said shift lever are constituted integrately.

10. (Currently amended) A gear change device, comprising a shift lever, a select actuator for operating said shift lever in a direction of selection, and a shift actuator for operating said shift lever in a direction of shift, wherein:

said select actuator comprises a casing, a shift lever support member disposed in said casing so as to slide in an axial direction while supporting said shift lever, magnetic moving means disposed on the outer periphery of said shift lever support member, a cylindrical fixed yoke surrounding said magnetic moving means, a coil disposed on the inside of said fixed yoke, and select position-limiting means for limiting the operation position of said shift lever support member in accordance with thrust produced on said shift lever support member due to electric power supplied to said coil, and

said select position-limiting means limits the operation position of said shift lever support member so as to position said shift lever to one of four select positions in accordance with thrust produced on said shift lever support member due to electric power supplied to said coil.

11-12. (Canceled)

Serial No. 10/050,864
Docket No. 358.41077X00

13. (Currently amended) A gear change device, comprising a shift lever, a select actuator for operating said shift lever in a direction of selection, and a shift actuator for operating said shift lever in a direction of shift, wherein:

said select actuator comprises a casing, a shift lever support member disposed in said casing so as to slide in an axial direction while supporting said shift lever, an annular permanent magnet mounted on the outer periphery of said shift lever support member and having magnetic poles in both end surfaces thereof in the axial direction, movable yokes arranged respectively on the outer sides of said permanent magnet in the axial direction thereof, a cylindrical fixed yoke surrounding said magnet, a pair of coil members disposed adjacent each other in the axial direction on the inside of said fixed yoke, and select position-limiting means for limiting the operation position of said shift lever support member in accordance with thrust produced on said shift lever support member due to electric power supplied to said pair of coil members, and

said select position-limiting means limits the operation position of said shift lever support member so as to position said shift lever to one of four select positions in accordance with thrust produced on said shift lever support member due to electric power supplied to said pair of coil members.